

MANIPAL UNIVERSITY

THIRD YEAR B.A.S.L.P. DEGREE EXAMINATION – MAY/JUNE 2013

SUBJECT: FLUENCY AND ITS DISORDERS (B.3.1.5)
(OLD REGULATION)

Wednesday, May 29, 2013

Time: 10.00-13.00 Hrs.

Max. Marks: 80

✍ Question number 1 is compulsory. Answer any FOUR from the rest.

1. Write short notes on any FOUR:

- 1A. Covert repair hypothesis
- 1B. Fluency initiating gestures
- 1C. MIDVAS and stuttering
- 1D. Cluttering
- 1E. Types of dysfluency

(4×4 = 16 marks)

2. Stuttering is a genetic disorder. Critically evaluate.

(16 marks)

3. Write on the development of fluency.

(16 marks)

4. Describe the assessment protocol and management for a 4 year old child brought with a complaint of whole word and part-word repetitions which are effortless in nature.

(16 marks)

5. Elaborate on fluency shaping approaches.

(16 marks)

6A. Development of stress

6B. T-TRIP

6C. Types of stress

(8+4+4 = 16 marks)



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THIRD YEAR B.A.S.L.P. DEGREE EXAMINATION – MAY/JUNE 2013

SUBJECT: FLUENCY AND ITS DISORDERS (B.3.1) (NEW REGULATION)

Wednesday, May 29, 2013

Time: 10.00-13.00 Hrs.

Max. Marks: 80

✍ **Answer ALL the questions.**

1A. Define Fluency. Describe the development of stress and rhythm.

1B. Highlight various factors which effect the development of stress and rhythm.

((2+6)+4 = 12 marks)

OR

2A. Describe T- TRIP.

2B. Discuss the need of possessing the knowledge of developmental trends of fluency.

(4+8 = 12 marks)

3A. Differentiate between neurogenic stuttering and developmental stuttering.

3B. Describe stuttering as a disorder of respiration and phonation.

(6+6 = 12 marks)

OR

4A. Define stuttering as described by Wingate.

4B. Enumerate various conditions which induce as well as reduce the speech fluency.

(4+8 = 12 marks)

5A. Parental over concerns can be a threat to the child's fluency. Discuss.

5B. Describe stuttering as a disorder of deviant cerebral asymmetry.

OR

6A. Briefly highlight various theories of stuttering.

6B. Provide evidences and justifications for the most relevant theory in your viewpoint.

(8+4 = 12 marks)

7. ICF framework of WHO explains the operation of stuttering at the levels of impairment, activity limitation and participation restrictions. Discuss assessment of stuttering with this understanding.

OR

8. Assessment of cluttering should be multidimensional. Discuss.

(12 marks)

9A. Prolongation is a dysfluency as well as a fluency inducing technique. Discuss.

9B. Discuss the importance of naturalness rating.

OR

10A. Describe cancellation and pull out technique. What is shadowing?

10B. Parent child interaction should be a critical component of stuttering therapy with children.

Discuss.

(6+6 = 12 marks)

11. Write short notes on the following:

11A. Word level stress

11B. Repetition vs Iteration

11C. Anticipatory struggle

11D. Daly's checklist

11E. Garden hose analogy

(4×5 = 20 marks)



MANIPAL UNIVERSITY
THIRD YEAR B.A.S.L.P. DEGREE EXAMINATION – MAY/JUNE 2013
SUBJECT: ADULT NEUROCOMMUNICATION DISORDERS (B.3.1.6)
(OLD REGULATION)

Monday, May 27, 2013

Time: 10.00-13.00 Hrs.

Max. Marks: 80

- ✍ **Question No. 1 is compulsory. Answer any FOUR from the rest.**
 ✍ **Draw neat labeled figures wherever appropriate.**

1. Answer any FOUR in short notes:

- 1A. Language areas of cortex
 1B. TBI
 1C. Agrammatism versus Paragrammatism
 1D. MRI
 1E. WAB

(4×4 = 16 marks)

- 2A. Describe the characteristics of dementia.
 2B. Delineate the linguistic errors seen in crossed aphasia.

(12+4 = 16 marks)

- 3A. Describe the characteristics of any two types of Aphasia.
 3B. Describe the role of right hemisphere in language processing.

(8+8 = 16 marks)

- 4A. Highlight the factors that determine prognosis in management of individuals with Aphasia.
 4B. Describe the therapy approaches for an individual with global Aphasia.

(8+8 = 16 marks)

- 5A. Describe the circle of Willis.
 5B. Comment on the cognitive assessment tools.

(8+8 = 16 marks)

6. Describe the nature and impairments seen in primary progressive aphasia.

(16 marks)



MANIPAL UNIVERSITY
THIRD YEAR B.A.S.L.P. DEGREE EXAMINATION – MAY/JUNE 2013

SUBJECT: NEUROMOTOR SPEECH DISORDERS (B.3.1.7)
(OLD REGULATION)

Friday, May 31, 2013

Time: 10.00-13.00 Hrs.

Max. Marks: 80

✍ **Question No. 1 is compulsory. Answer any FOUR from the rest.**

1. **Write short notes on any FOUR:**

- 1A. Cerebellum
- 1B. Multiple Sclerosis
- 1C. Primitive reflex
- 1D. Neurogenic dysphagia
- 1E. Associated problems in Cerebral Palsy

(4×4 = 16 marks)

- 2A. Describe the etiology and clinical characteristics in Parkinson's disease.
- 2B. Describe the causes of dysarthria.

(8+8 = 16 marks)

3. Discuss the subjective and objective assessment methods for individuals with dysarthria.

(16 marks)

4. Plan a treatment program for four year old child diagnosed as childhood dysarthria focusing on respiratory and articulatory sub system.

(16 marks)

5A. Differentially diagnose apraxia versus dysarthria.

5B. Enumerate the speech characteristics in apraxia of speech.

(8+8 = 16 marks)

6A. Discuss the speech deficits associated with cranial nerve X.

6B. Write a note on candidacy criteria for AAC in children with cerebral palsy.

(8+8 = 16 marks)



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MANIPAL UNIVERSITY**THIRD YEAR B.A.S.L.P. DEGREE EXAMINATION – MAY/JUNE 2013****SUBJECT: REHABILITATIVE AUDIOLOGY (B.3.2.5)
(OLD REGULATION)**

Wednesday, June 05, 2013

Time: 10.00-13.00 Hrs.

Max. Marks: 80

✍ **Question Number 1 is compulsory. Answer any FOUR from the rest.**

1. **Write any FOUR from the following:**

- 1A. Principles of AVT
- 1B. Manson's speech reading test
- 1C. Visemes
- 1D. Candidacy for speech reading
- 1E. Analytic method of speech reading training

(4×4 = 16 marks)

2. What are the management options for an individual with CAPD?

(16 marks)

3. Rehabilitation of child becomes complex where multisensory deficits co-exist with hearing loss. Discuss.

(16 marks)

4A. Write a note on anticipatory and repair strategies.

4B. Discuss briefly about the tests for speech reading.

(10+6 = 16 marks)

5. What factors need to be considered while planning an auditory training programme?

(16 marks)

6A. Design a speech reading program for a profoundly deaf adult.

6B. Discuss the limitations of speech reading.

(10+6 = 16 marks)



MANIPAL UNIVERSITY

THIRD YEAR B.A.S.L.P. DEGREE EXAMINATION – MAY/JUNE 2013

SUBJECT: REHABILITATIVE AUDIOLOGY (B 3.3)
(NEW REGULATION)

Wednesday, June 05, 2013

Time: 10.00-13.00 Hrs.

Max. Marks: 80

✍ Answer the following questions.

1. Write an essay on speech reading test for speech reading ability.

(12 marks)

OR

2A. Write a note on Utley's test of speech reading ability.

2B. Differentiate individual Vs group speech reading training.

(4+8 = 12 marks)

3A. Explain in detail factors affecting auditory training.

3B. Describe a model auditory training program for a one year old child.

OR

4A. Differentiate between synthetic Vs analytic auditory training methods.

4B. How does the knowledge of importance of hearing in normal development of speech and language skills help in management of hearing impaired.

(8+4 = 12 marks)

5A. Write a note on management of deaf blind individual.

5B. Write a note on compensatory strategies for CAPD.

OR

6A. Explain meta linguistic and meta cognition strategies.

6B. Add a note on Repair strategy.

(8+4 = 12 marks)

7A. Describe any two assistive devices that can be used in class room setups. List their merits and demerits.

7B. Explain how assistive devices can facilitate the perception through television.

OR

8A. Discuss the use and application of tactile and auditory ALD's for individual with hearing impaired.

8B. Briefly explain the components and working principle of infra red system.

(8+4 = 12 marks)

- 9A. With a neat diagram explain the components and working principle of BAHA.
9B. Discuss in brief on partially implantable MEI devices.

OR

- 10A. Write in brief about any four speech coding strategies.
10B. Write a brief note on candidacy selection for middle ear implants.

(8+4 = 12 marks)

11. Write short notes on following:

- 11A. Viscemes
11B. GASP
11C. Classroom based modification for CAPD children
11D. Alerting devices
11E. Candidacy for Middle ear implants

(4×5 = 20 marks)



MANIPAL UNIVERSITY

THIRD YEAR B.A.S.L.P. DEGREE EXAMINATION – MAY/JUNE 2013

SUBJECT: NOISE MEASUREMENT AND HEARING CONSERVATION (B.3.2.6)
(OLD REGULATION)

Monday, June 03, 2013

Time: 10.00-13.00 Hrs.

Max. Marks: 80

✍ **Question No. 6 is compulsory. Answer any FOUR from the rest.**

1. Define noise and classify it into different types based on frequency, intensity and duration. (16 marks)
2. Discuss the importance of baseline and periodic audiometry in calculating the correction factor for presbycusis. (16 marks)
3. Describe the instrumentation and procedure used for measurement of traffic noise. (16 marks)
- 4A. "OAE is a sensitive tool in diagnosing NIHL". Discuss.
- 4B. Elaborate the application of high frequency audiometry and brief tone audiometry in NIHL. (8+8 = 16 marks)
5. Discuss the Fletcher point eight formula and AAOO formula. Elaborate on its application for claims for hearing loss. (16 marks)
6. **Write short notes on any FOUR:**
 - 6A. NC curve
 - 6B. Presbycusis Correction factor
 - 6C. SLM
 - 6D. Toughening
 - 6E. EPA(4×4 = 16 marks)



MANIPAL UNIVERSITY

THIRD YEAR B.A.S.L.P. DEGREE EXAMINATION – MAY/JUNE 2013

**SUBJECT: NOISE MEASUREMENT AND HEARING CONSERVATION (B 3.4)
(NEW REGULATION)**

Monday, June 03, 2013

Time: 10.00-13.00 Hrs.

Max. Marks: 80

Answer ALL the questions.

1. What are the non-auditory effects of noise on humans? Explain.

(12 marks)

OR

2. Discuss the acoustic correlates of noise

2A. PNdB

2B. PNL

2C. NOY

2D. EPNL

(3×4 = 12 marks)

3. What is the procedure to calculate the amount of hearing loss contributed due to presbycusis?

(12 marks)

OR

4A. OAE is a sensitive tool in diagnosing NIHL. Discuss.

4B. Explain role of high frequency audiometry in NIHL.

(6+6 = 12 marks)

5. Describe the instrumentation and procedure used for the measurement of traffic noise.

OR

6. Elaborate on the instrumentation for vibration measurements.

(12 marks)

7. What is HCP? Elaborate on need of HCP.

OR

8. What are EPDs? Describe different types of EPDs.

(12 marks)

9. Define DRC. Discuss the historical aspects of DRC.

OR

10. Write about CHABA and AAOO contribution to disability calculation.

(12 marks)

11. **Write short notes on the following:**

11A. Articulation index

11B. Brief tone audiometry

11C. SLM

11D. Special EPDs

11E. Fletcher point eight formula

(4×5 = 20 marks)



MANIPAL UNIVERSITY**THIRD YEAR B.A.S.L.P. DEGREE EXAMINATION – MAY/JUNE 2013****SUBJECT: PAEDIATRIC AUDIOLOGY (B.3.2.7)
(OLD REGULATION)**

Friday, June 07, 2013

Time: 10:00-13:00 Hrs.

Max. Marks: 80

✍ **Question no. 6 is compulsory. Answer any FOUR from the rest.**

1. Describe the embryological development of inner ear. (16 marks)
2. Discuss the non-genetic causes for the hearing loss in children. (16 marks)
3. Elaborate the role of objective test in Pediatric hearing testing. (16 marks)
4. Write the modifications required to establish SRT and speech identification measures in children. (16 marks)
5. List out the subjective and objective tests to identifying functional hearing loss in children. Describe any one objective and one subjective test to identify functional hearing loss in children. (16 marks)
6. **Write short notes any FOUR.**
 - 6A. Fetal audiometry
 - 6B. Auditory number test
 - 6C. OAE as a screening tools
 - 6D. Lombard test
 - 6E. NU CHIP

(4×4 = 16 marks)



MANIPAL UNIVERSITY**THIRD YEAR B.A.S.L.P. DEGREE EXAMINATION – MAY/JUNE 2013****SUBJECT: NEUROGENIC LANGUAGE DISORDERS IN ADULTS (B.3.2)
(NEW REGULATION)**

Friday, May 31, 2013

Time: 10.00-13.00 Hrs.

Max. Marks: 80

☞ Draw neat labeled figures wherever necessary

1. Draw a neat diagram of lateral view of cortex and label the parts.

OR

2. Describe the cerebral blood supply of the brain with neat diagram.

(12 marks)

3A. Describe the general features of Brocas aphasia.

3B. List the language characteristics of Brocas aphasia.

(6+6 = 12 marks)

OR

4A. Discuss the role of subcortical structures in language.

4B. List the language characteristics of non- thalamic aphasia.

(8+4 = 12 marks)

5A. Describe the cranial nerve examination related to speech and hearing.

5B. Write the subsections of naming in WAB.

OR

6A. Describe the cognitive assessment in Aphasia.

6B. What is neglect?

(10+2 = 12 marks)

7A. Describe the communication deficits seen in individuals with Right Hemisphere Damage.

7B. Describe the causes and effects of penetrating and nonpenetrating injuries.

OR

8A. Differentiate between cortical and subcortical dementia.

8B. List the communication deficits in TBI.

(8+4 = 12 marks)

9. Describe the management options available for Brocas aphasia.

OR

10. Describe the different methods of AAC for global aphasia.

(12 marks)

11. Write short notes on the following:

11A. Whitematter of cortex

11B. Crossed aphasia

11C. MRI

11D. Nonfluent PPA

11E. Deblocking

(4×5 = 20 marks)



MANIPAL UNIVERSITY

THIRD YEAR B.A.S.L.P. DEGREE EXAMINATION – MAY/JUNE 2013

SUBJECT: BIOSTATISTICS & SCIENTIFIC ENQUIRY IN AUDIOLOGY & SPEECH LANGUAGE PATHOLOGY (B 3.6)

Monday, May 27, 2013

Time: 10:00-13:00 Hrs.

Max. Marks: 80

1. List the principles of qualitative research. (5 marks)

2. Describe internal validity and face validity. (5 marks)

3. What is the difference between qualitative and quantitative variables? Explain with examples. (5 marks)

4. Classify the following into different scales of measurements (Nominal, Ordinal, Interval and Ratio).
 - 4A. Address
 - 4B. Height
 - 4C. Heart rate
 - 4D. Ph value
 - 4E. Pain score(5 marks)

5. Explain judgment sampling. (5 marks)

- 6A. In a study of 252 patients admitted in a hospital, it was assessed whether patients were 'likely to be discharged', 'possibly to be discharged' or 'unlikely to be discharged'. The frequencies of these categories are shown in table below. Represent the data with the help of a pie chart.

Discharge	Frequency
Unlikely	126
Possibly	84
Likely	42

- 6B. Following are the fasting blood glucose level (mg/dl) of 30 children. Prepare a frequency table with 5 equal class intervals. Also find the relative frequencies.

62	65	56	64	63	77	72	79	62	73
57	57	59	67	62	61	61	60	55	75
57	65	75	65	68	61	60	68	69	67

(5+5 = 10 marks)

7. Systolic blood pressure levels (mmHg) of ten patients who visited the OPD is as follows. Calculate mean, median, inter-quartile range and standard deviation.
 105 120 125 112 125 120 115 130 116 101
 (10 marks)

8. Given the mean and standard deviation of weight of new born babies are 3 kg and 0.5 kg respectively. Assuming normality estimate the percentage of newborns with weight.
- 8A. More than 2.5 kg
- 8B. Between 2.5 kg and 4 kg
- (5 marks)
9. Enumerate the properties of correlation with the help of scatter diagrams.
- (5 marks)
10. Describe health information system and its uses.
- (5 marks)
11. Define prevalence and incidence with examples. Distinguish between ratio and proportion.
- (10 marks)
12. What is descriptive epidemiology? Enumerate its uses and explain case series studies.
- (10 marks)



MANIPAL UNIVERSITY

THIRD YEAR B.A.S.L.P. DEGREE EXAMINATION – MAY/JUNE 2013

**SUBJECT: COMMUNITY ORIENTED PROFESSIONAL PRACTICES IN SPEECH
LANGUAGE PATHOLOGY & AUDIOLOGY (B 3.5)**

(NEW REGULATION)

Friday, June 07, 2013

Time: 10.00-13.00 Hrs.

Max. Marks: 80

☞ **Answer ALL the questions.**

1. Integration is better than segregation. Critically evaluate.

OR

2. Prevention is better than cure. Justify and explain the concept of prevention at different levels.
(12 marks)

3. Community based rehabilitation is the best service delivery approach in India. Justify.

OR

4. Explain and critically evaluate camp based rehabilitation.
(12 marks)

5A. What is code of ethics? Why should professionals follow code of ethics?

5B. What is the role of community health worker?

(6+6 = 12 marks)

OR

6. What is the scope of Speech Language Pathologist and Audiologist in India?

(12 marks)

7. What are the requirements for setting up a speech and hearing clinic in an urban area?

OR

8. Man power generation is the need of the hour in the field of communication disorders. State true or false and justify.

(12 marks)

9A. Write on Rehabilitation Council of India Act.

9B. What is Environmental Act?

(8+4 = 12 marks)

OR

10. Write on SLP as a witness in the court.

(12 marks)

11. **Write Short notes on following:**

11A. Vocational rehabilitation

11B. NGOs

11C. ASHA

11D. Budget

11E. Consumer Protection Act

(4×5 = 20 marks)

